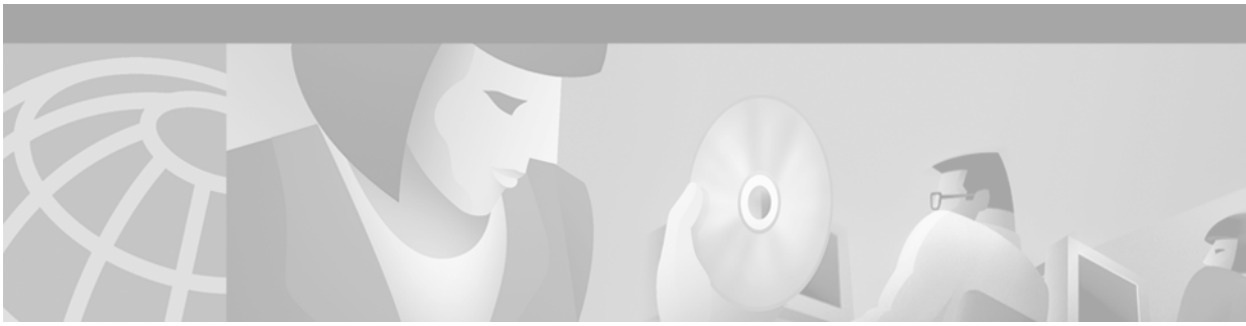

About This Guide

Objective

This *Cisco VPN Solutions Center: MPLS Solution User Reference* manual provides details about the Cisco Virtual Private Network (VPN) Solutions Center: MPLS Solution, to be referred to as MPLS VPN Solution.

Who Should Use This Book

This book is written as a resource for experienced users and administrators who use MPLS VPN. It provides details about how to implement the functionality of MPLS VPN Solution.

It is assumed that you have a basic understanding of network design, operation, and terminology, and that you are familiar with your own network configurations. It is also assumed that you have a basic familiarity with UNIX.

How This Book Is Organized

This manual is organized as follows:

- Chapter 1, “Getting Started,” provides an overview of the MPLS VPN Solution product and the system setup necessary to run it.
- Chapter 2, “WatchDog Commands,” provides the description, syntax, and arguments for the commands for WatchDog, a background daemon process that is automatically installed as part of the installation procedure for MPLS VPN Solution.
- Chapter 3, “VPN Console,” provides an overview of the VPN Console and the organization of: the menu task bar items; the left pane, the hierarchy pane; and the right pane, the data pane.
- Chapter 4, “VPN Console: File Menu,” provides an explanation of the options under the **File** menu:
  - Repository Administration
  - Watch Dog
  - Exit

- Chapter 5, “VPN Console: Find Menu,” provides an explanation of the options under the **Find** menu:
  - Find Network
  - Find VPN Provider
  - Find Provider Region
  - Find VPN Customer
  - Find Customer Site
  - Find VPN
- Chapter 6, “VPN Console: Setup Menu,” provides an explanation of the options under the **Setup** menu:
  - Create Targets From Router Configurations
  - New Provider Administrative Domain
  - New VPN Customer
  - New VPN Definition
- Chapter 7, “VPN Console: Provisioning Menu,” provides an explanation of the options under the **Provisioning** menu:
  - Add VPN Service to CE
  - Deploy Service Requests
  - View Deployment Log
  - Export Service Request Configlets
  - List All New Service Requests
  - List All Service Requests
  - Purge Closed Requests from Database
- Chapter 8, “VPN Console: Auditing Menu,” provides an explanation of the options under the **Auditing** menu:
  - Generate Service Request Audit Reports
  - View Latest Audit Reports
- Chapter 9, “VPN Console: Monitoring Menu,” provides an explanation of the options under the **Monitoring** menu task bar:
  - Collect Router Configuration Files
  - Collect VPN Accounting Data
  - Collect VPN Routing Information
  - Configure Traps
  - Interface Statistics
  - Poll a Router’s CAR MIB
  - Provision SLA Definitions and Collect SLA Data
  - View Accounting Reports
  - View CAR MIB Report
  - View Data Report

  - View SLA Reports
  - View Verification Report
  - XML Data Query Tool
- Chapter 10, “VPN Console: Tools Menu,” provides an explanation of the options under the **Tools** menu task bar:
  - Tasks
  - Task Logs
  - User Administration
- Chapter 11, “VPN Console: Help Menu,” provides the version and copyright information for this product:
  - About VPN Solutions Center
- Chapter 12, “VPN Console: Hierarchy Tree,” provides an explanation of the choices of actions in the hierarchy pane:
  - Device Inventory
  - VPN Inventory
- Chapter 13, “Scheduling,” provides the scheduling choices available for tasks.
- Chapter 14, “Reports Overview,” provides an overview of the types of reports available with MPLS VPN Solution and the structure of reports.
- Chapter 15, “Topology,” provides an overview of topology information that is launched from a specific Provider Administrative Domain, specific customer, or specific VPN in the hierarchy pane.
- Appendix A, “Repository Management,” provides details about repository management tools handled from the command line and from a third party backup program.
- Appendix B, “Property Settings,” provides information about the contents of the file **csm.properties**, which has the property setting information. A table provides the default value, the range of values or the rules for valid values, and an explanation for each of the arguments in the **csm.properties** file.
- The glossary provides a glossary of MPLS VPN Solution terms.

Related Information

The following documents are companion documents to this document and comprise the Cisco VPN Solutions: MPLS Solution documentation set:

- *Release Notes for Cisco VPN Solutions Center: MPLS Solution 1.2* (Part Number: 78-10944)
- *Documentation Road Map for Cisco VPN Solutions Center: MPLS Solution 1.2* (Part Number: 78-11110)
- *Cisco VPN Solutions Center: MPLS Solution Installation Guide* (Part Number: 78-10549)
- *Cisco VPN Solutions Center: MPLS Solution Provisioning and Operations Guide* (Part Number: 78-11367*)*

If you have the API module for this product, the following documents are also part of the Cisco VPN Solutions: MPLS Solution documentation set:

- *Cisco VPN Solutions Center: MPLS Solution API Programmer Guide* (Part Number: 78-7124)
- *Cisco VPN Solutions Center: MPLS Solution API Programmer Reference* (Part Number: 78-11100)

The following list of documents contains additional information that may help you more fully understand the material described in this manual. These documents are available on the Cisco Documentation CD-ROM:

- *Cisco IP Manager (Lite) 2.0(34)M Release Notes* (Part Number: 78-7205)
- *Cisco IP Manager (Lite) User's Guide: Version 2.0* (Part Number: 78-10298)
- *Internetworking Technologies Handbook*
- *Internetworking Terms and Acronyms*

Conventions and Terminology

This section discusses conventions and terminology used throughout this manual.

- *pointer*—indicates where the mouse action is to occur
- *select*—to push and hold down the left mouse button
- *release*—to let up on a mouse button to initiate an action
- *click*—to select and release a mouse button without moving the pointer
- *double-click*—to click a mouse button twice quickly without moving the pointer
- *drag*—to move the pointer by sliding the mouse with one or more buttons selected

The MPLS VPN Solution software supports a three-button mouse. The buttons are configured as follows:

- left button—selects objects and activates controls
- middle button—adjusts a selected group of objects, adding to or deselecting part of the group
- right button—displays and selects from menus

This manual uses this terminology throughout (even though it is possible for individual users to customize their devices to use the buttons in an alternative manner).

In situations that allow more than one item to be selected from a list simultaneously, the following actions are supported:

- To select a single item in a list, click the entry. Clicking a second time on a previously selected entry deselects it.
- To select a contiguous block of items, click the first entry; then, without releasing the mouse button, drag to the last desired entry and release. (A subsequent click anywhere on the screen deselects all previous selections.)
- To extend a currently selected block, hold the **Shift** key down and click the entry at the end of the group to be added
- To add a noncontiguous entry to the selection group, press the **Ctrl** (Control) key and click the entry to be added.

Names of on-screen elements that you click or select (menu names, commands, and controls such as buttons, drop-down lists, and so on) are printed in **bold** font.

Bold font is also used for keywords, names of commands, and names of keys on the keyboard.

Text displayed as on-screen examples is printed in `courier` font.

When set off from the main text, words and characters you should enter by the keyboard are printed in `bold` font. When the word or character string is enclosed in angle brackets (< and >), you should substitute your own character string for the example presented in the text.

For example, when you see:

login: **root**

you should specify the string **root** at the **login** prompt. However, when you see:

password: <*rootpassword*>

you should specify your own password in place of the character string <*rootpassword*>.

The *italic style* is used to emphasize words, to introduce new terms, and for titles of printed publications (however, not titles of CD-ROMs or floppy disks).

Note Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

Caution Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Cisco Connection Online

Cisco Connection Online (CCO) is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional information and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, product documentation, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously: a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and it is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: http://www.cisco.com
- WWW: http://www-europe.cisco.com
- WWW: http://www-china.cisco.com
- Telnet: cco.cisco.com
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact cco-help@cisco.com. For additional information, contact cco-team@cisco.com.

Note If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or tac@cisco.com. To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or cs-rep@cisco.com.

Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly. Therefore, it might be more current than printed documentation. To order additional copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco documentation on the World Wide Web at http://www.cisco.com, http://www-china.cisco.com, or http://www-europe.cisco.com.

If you are reading Cisco product documentation on the World Wide Web, you can submit comments electronically. Click **Feedback** in the toolbar and select **Documentation**. After you complete the form, click **Submit** to send it to Cisco. We appreciate your comments.